TROUBLESHOOTING

Your new Bad Cat amplifier is designed for many years of professional trouble free operation. Common sense will tell you that if you notice any severe abnormalities in operation like burning smell, smoke, etc.; you need to shut down the amp immediately. Always consult Bad Cat customer service if you are unsure of the problems that you are experiencing.

CONSUMER NOTE***

There are NO user serviceable parts inside this amplifier! Any attempt to modify this amp will void the limited 5 year warranty!

CAUTION

With a little care and caution, your Bad Cat amplifier should provide you with years of trouble-free operation and enjoyment. Please avoid damp areas and moisture during operation of the amp and in storage. This includes placement of beverages near or on the amp that could spill into the amp's chassis. Liquids can easily damage, switches and other parts.

GROUNDING

Please check thoroughly that the ground tip on the power cord plug is connected to true ground prior to operation of your Bad Cat amp. Using unfamiliar junction boxes can cause potentially dangerous floating grounds. Please do not cut or defeat the ground tip.

LIMITED 5 YEAR WARRANTY

Bad Cat Amplifiers warranties our amps and cabs against workmanship or defect for 5 years. The warranty does not cover cosmetic damage, wear and tear, or abuse.
This warranty is transferable. Please see your local dealer and distributor for warranty information. Modifying or altering the amp in any way voids the warrantee. Shipping to and from the warranty repair center is the responsibility of the customer.

IMPORTANT!
FOR YOUR PROTECTION, PLEASE READ THE FOLLOWING:
WATER AND MOISTURE: Appliance should not be used near water (near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc). Care should be taken so that objects
do not fall and liquids are not spilled into the enclosure through openings.
POWER SOURCES: The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
GROUNDING OR POLARIZATION: Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.
POWER CORD PROTECTION: Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
SERVICING: The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
FUSING: If your unit is equipped with a fuse receptacle, replace only with the same type fuse. Refer to replacement text on the unit for correct fuse type.

WARNING: Do not connect speaker outputs to grounded plug or allow speaker cable housings to be in contact with any metal objects, i.e. adjacent jacks.

CAUTION: Dangerous voltage within this product's enclosure. DO NOT OPEN.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL!
THIS UNIT CONTAINS HIGH VOLTAGE INSIDE!

PHONE 800.730.0966
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INFO@BADCATAMPS.COM
WWW.BADCATAMPS.COM
5 TECHNOLOGY DRIVE IRVINE CA 92618
BAD CAT HOLDINGS LLC. USA

Last updated: May 28 2013

Bad Cat®
TUBE AMPLIFIERS USA

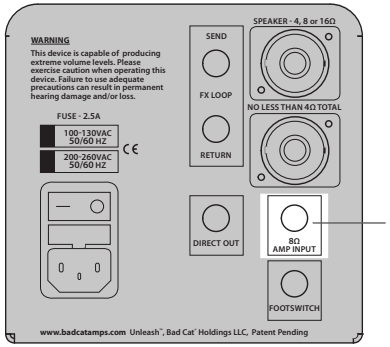
Operating Manual

UNLEASH Re-Amplifier & Attenuator

Congratulations and thank you for purchasing the Bad Cat Unleash. As with all Bad Cat products, your amplifier is designed from the ground up to provide the very best tones possible in a rugged, reliable package. Each one of our pro quality models is constructed with Bad Cat's commitment to making the highest quality, hand-built, American-made products.

FOR YOUR RECORDS, YOU MAY WISH TO RECORD THE FOLLOWING INFORMATION.

SERIAL NO._____ **INVOICE DATE**_____

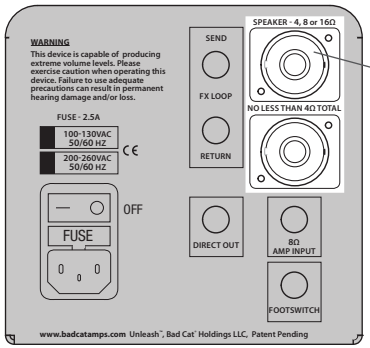

WARNING
This device is capable of producing extreme volume levels. Please exercise caution when operating this device. Failure to use adequate precautions can result in permanent hearing damage and/or loss.
FUSE - 2.5A
100-130VAC 50/60 HZ
200-260VAC 50/60 HZ
SEND
FX LOOP
RETURN
SPEAKER - 4, 8 or 16Ω
NO LESS THAN 4Ω TOTAL
DIRECT OUT
8Ω AMP INPUT
FOOTSWITCH
www.badcatamps.com Unleash™, Bad Cat® Holdings LLC, Patent Pending

STEP 1. INITIAL SETUP

Set your guitar and guitar amp controls to about where you ordinarily play.

Disconnect the speaker from your guitar amp. Make sure **UNLEASH**™ is OFF. Now plug that speaker output of your guitar amp into the 8Ω input of the **UNLEASH**™. *If your guitar amp has switchable outputs, switch to 8 ohms.*

!Note: If you are using a 4 or 16 ohm guitar amp output into the **UNLEASH**™, you will hear slight tonal differences compared to an 8 ohm input.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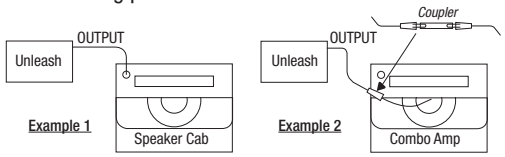
www.badcatamps.com Unleash™, Bad Cat® Holdings LLC, Patent Pending

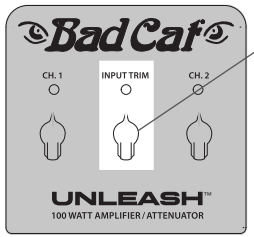
!WARRANTY INFORMATION: Connecting anything to the UNLEASH™ output speaker connectors other than speakers will cause the UNLEASH™ Class 'D' amplifier to fail. Under this condition, the warranty will not cover the cost of repairs.

STEP 2. UNLEASH SPEAKER OUTPUTS

With the provided Bad Cat speaker cable, connect the **UNLEASH**™ to your speaker cabinet - 4, 8 or 16 ohms.

!Note: Always connect a speaker to the **UNLEASH**™ before turning power switch on.





STEP 3. INPUT TRIM

Understanding how to use the INPUT TRIM is key to understanding the UNLEASH™.
The INPUT TRIM controls the amount of input signal from your amp into the **UNLEASH**™.

a. Turn all 3 **UNLEASH**™ front panel knobs fully counter clockwise to the OFF position.

b. Turn the **UNLEASH**™ power switch ON (switch is above power cable)

c. Now play your guitar amp into the **UNLEASH**™ and increase the INPUT TRIM knob until the INPUT TRIM 'led' starts to blink. You now have the right amount of drive signal into the **UNLEASH**™.

d. Then adjust CH 1 for your desired volume / attenuation sound levels.

!Note: Switching between CH 1 & CH 2 requires a footswitch (not included).

!Note: For low volume attenuation, keep the **UNLEASH**™ INPUT TRIM lower than the **UNLEASH**™ CHANNEL VOLUME.
Attenuating more than 100 Watts into the **UNLEASH**™ can cause the **UNLEASH**™ to fail. Under this condition the warranty will not cover the cost of repairs.

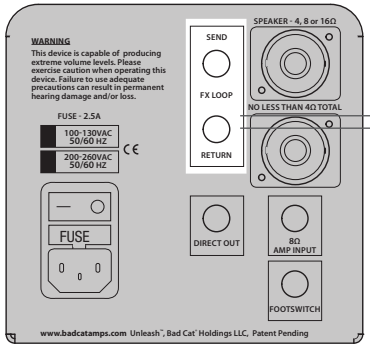
!Note: Experiment with different amounts of INPUT TRIM.

HELPFUL INFORMATION

1. - As long as the INPUT to the **UNLEASH**™ is not overdriven, the OUTPUT is transparent. That is, what tonal quality you put in, you get out.

2. Is the **UNLEASH**™ output fuzzy?
The Cause: You're overdriving the **UNLEASH**™ INPUT.
The Solution: Reduce INPUT TRIM (see **3c**).

3. Does the **UNLEASH**™ have a darkening tone?
The Cause: You're overdriving the power section of your guitar amp which causes clipping (dark tone).
The Solution: Try slightly backing down the volume on the power section of the guitar amp.
Also try increasinng Treble control.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www.badcatamps.com Unleash™, Bad Cat® Holdings LLC, Patent Pending

!Note: Extra fuse included in fuse clip.

EFFECTS SEND

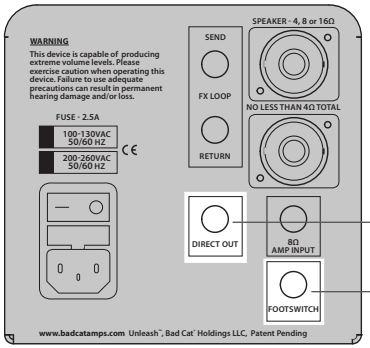
Use a 1/4" cable from the **UNLEASH**™ SEND jack to the input of your effects devices.

EFFECTS RETURN

Use a 1/4" cable from the **UNLEASH**™ RETURN jack to the output of your effects devices.

User Tip: It is preffered to use the **UNLEASH**™ loop with time based effects such as delays, choruses and pitch shifting devices.

Gain and distortion devices are best used in front of your guitar amp input.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DIRECT OUT

The uncompensated line level DIRECT OUT can be sent to a PA or recording console.

FOOTSWITCH

Use a simple single button 1/4" FOOTSWITCH (not included) to switch between the CH 1 & CH 2 volume controls.

UNLEASH™ SPECIFICATIONS	
AC VOLTAGE	**UNLEASH**™ UNL A - 100 to 130 VAC 50/60 Hz **UNLEASH**™ UNL B - 200 to 260 VAC 50/60 Hz
INPUT OHMS	8 ohms - **ideal** for best sound 4 and 16 ohm inputs work but with slight tonal differences compared to an 8 ohm input
INPUT WATTAGE RANGE	Min - 2 Watts (for full output) Max - 100 Watts
OUTPUT POWER	into 4 ohm cabinet - 180 Watts into 8 ohm cabinet - 100 Watts into 16 ohm cabinet - 50 Watts